





What We Measure Matters



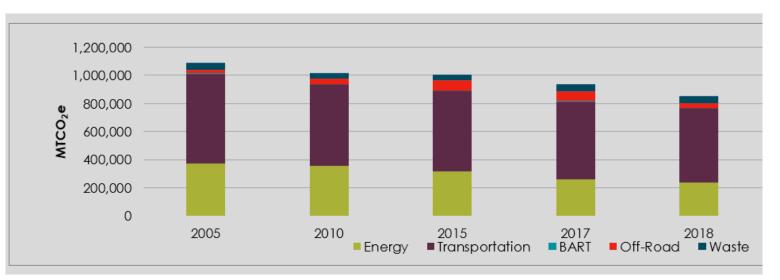
Miya Kitahara | Program Manager

CCC Sustainability Exchange | Dec 10, 2020

EBEW GHG Inventory Tool

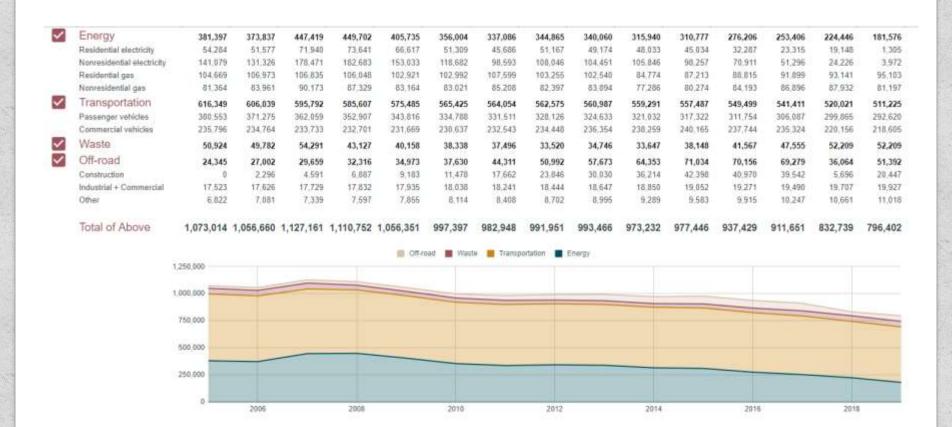
- Updated through 2018
 - **2**005, 2020, 2015, 2017, 2018
- Ready to enter in 2019 data
 - Requires PG&E, CCA, waste data
- No more consultant support







EBEW Inventory Data



Interim years extrapolated Doesn't solve missing PG&E data gap!



We Manage What We Measure

Residential Gas
Emissions H

Passenger Vehicle

Emissions

Emissions

Electricity

Emissions

TruWercandns

manage this

Eledirectly!

Emissions

Nonresidential Gas Emissions

Water & Wastewater

Emissions

Food Supply Chain Emissions

Missedants

opportunities!

물 등 Supply 를 Chain

Emissions

Construction
Site Emissions

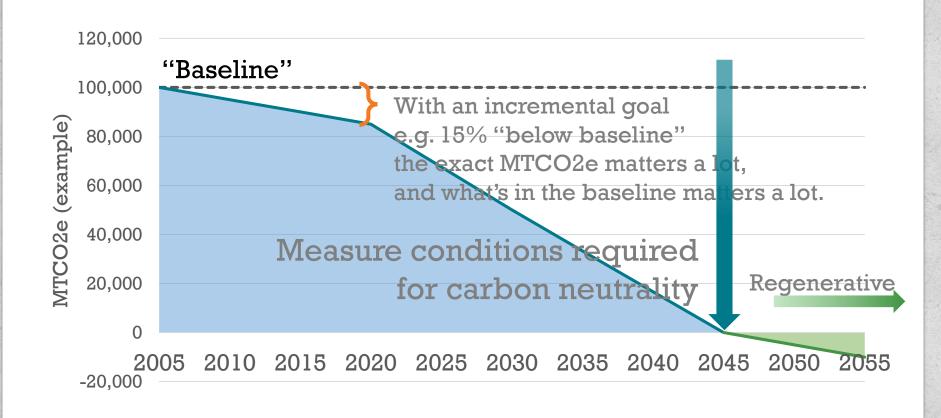
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The Limitations of MTCO2e

- What is 1 MTCO2e?
- Cannot be directly managed
- Doesn't relate to co-benefits
- Abstracts the problem
- Puts onus on climate staff, not all staff

Incremental Reduction vs. Zero or Regenerative





What Should We Measure? Just a few examples...

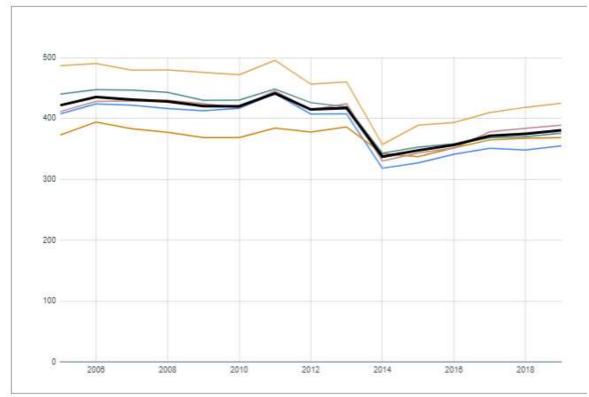
Currently used to calculating MTCO2e	More meaningful for implementation
Modeled total annual VMT (100% of in-boundary + 50% of origin/destination)	Modeled average daily VMT per resident, or per inbound commuter (in the same VMT data)
County level average MPG	EV registrations (available from DMV)
Total nonresidential kWh (usually missing data for privacy)	Businesses using 100% clean energy (MCE/EBCE)
Residential therms	Electrified, efficient, healthy homes (not tracked)



EBEW Inventory Data

SELECT SECTOR AND METRIC
Sector Energy
Metric Residential therm usage
Per Per household

Average residential therms per household

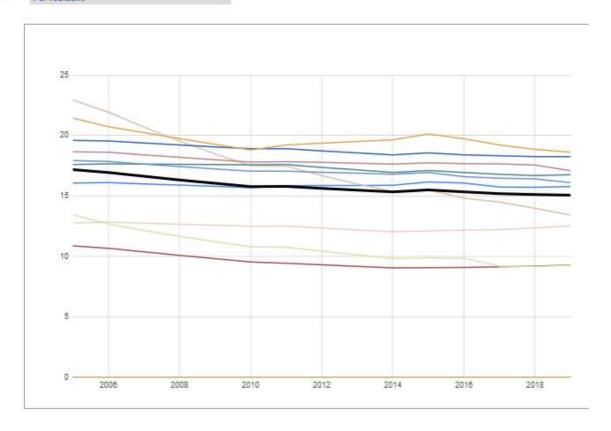




EBEW Inventory Data

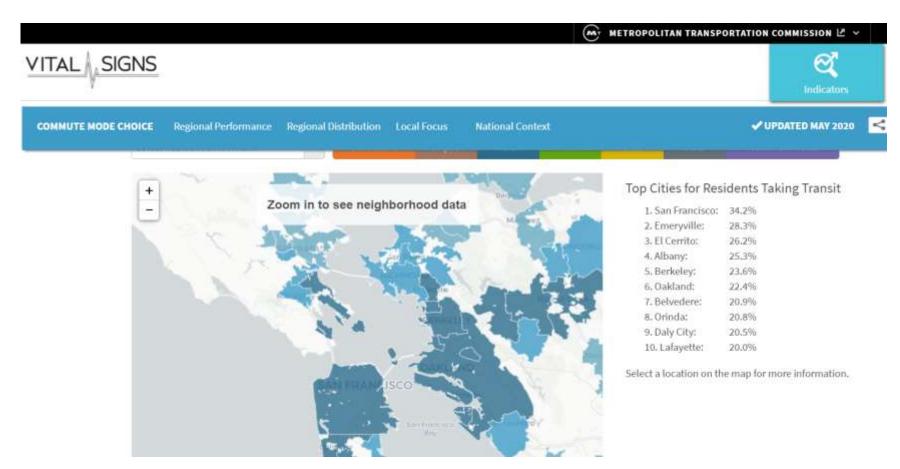
SELECT SECTOR AND METRIC Sector Transportation * Metric Total Daily VMT by residents (regardless of I * Per Per resident *

Average daily miles driven by residents (regardless of boundary)





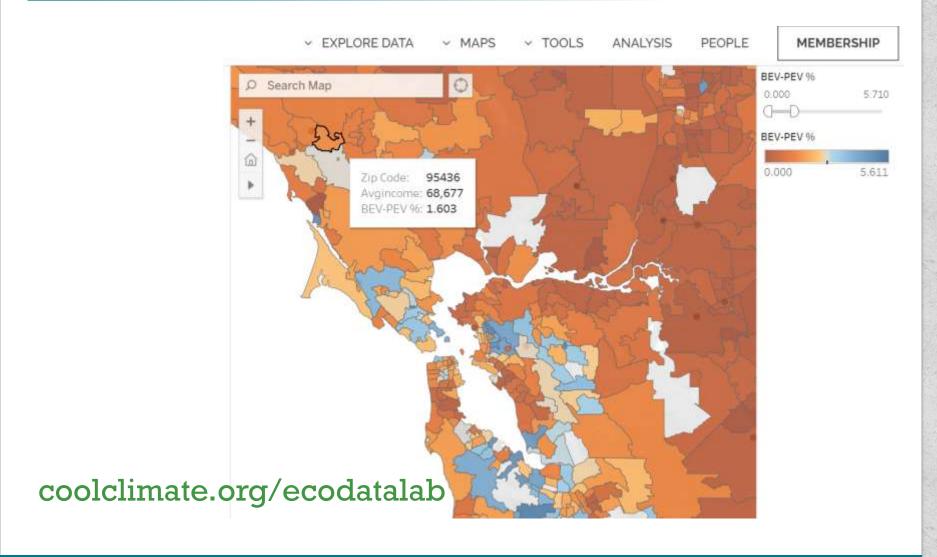
Vital Signs



vitalsigns.mtc.ca.gov



EcoDataLab





What do you need to know to get to carbon neutrality?

